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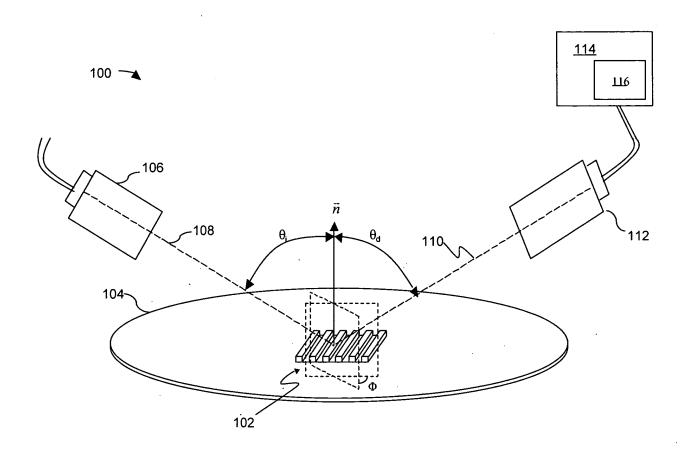


FIG. 1

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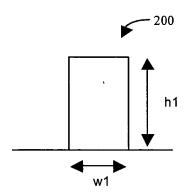


FIG. 2A

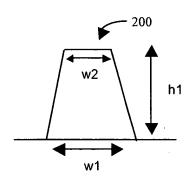


FIG. 2B

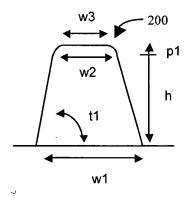


FIG. 2C

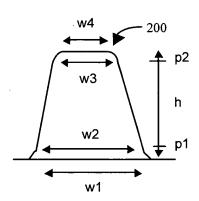


FIG. 2D

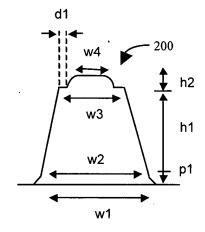
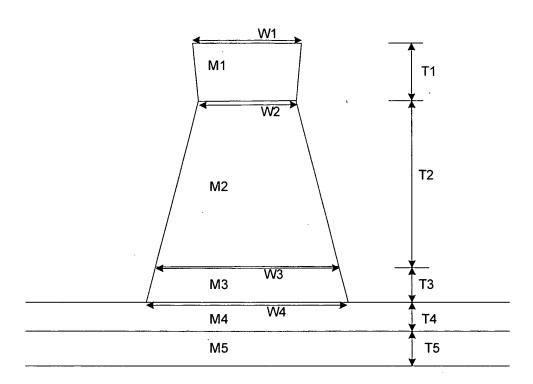


FIG. 2E

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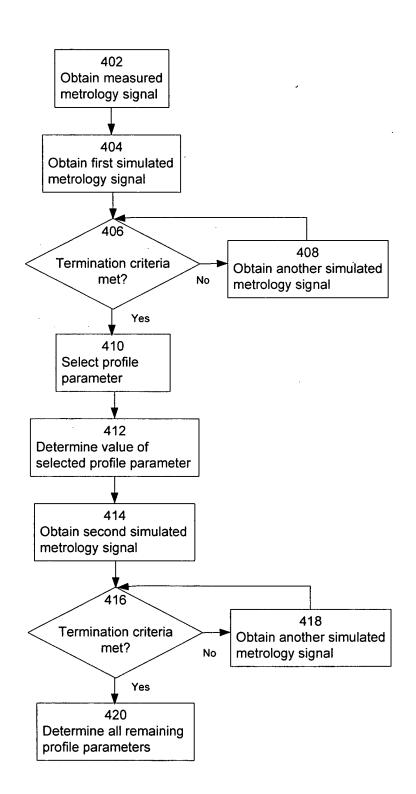


Substrate

FIG. 3

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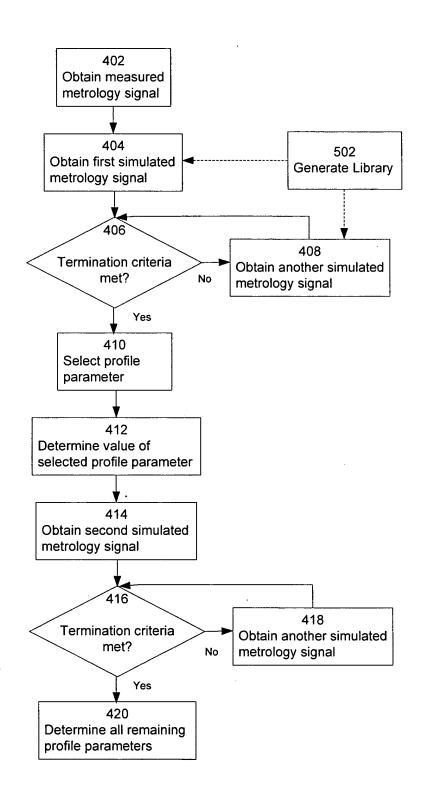
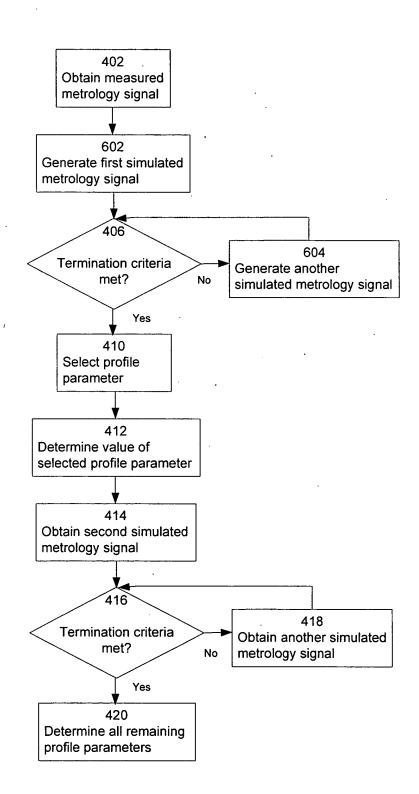


FIG. 5

Title: PARAMETRIC OPTIMIZATION OF OPTICAL METROLOGY MODEL Inventor(s): Junwei BAO

Inventor(s): Junwei BAO Application No.: Not Yet Assigned Docket No.: 509982005800

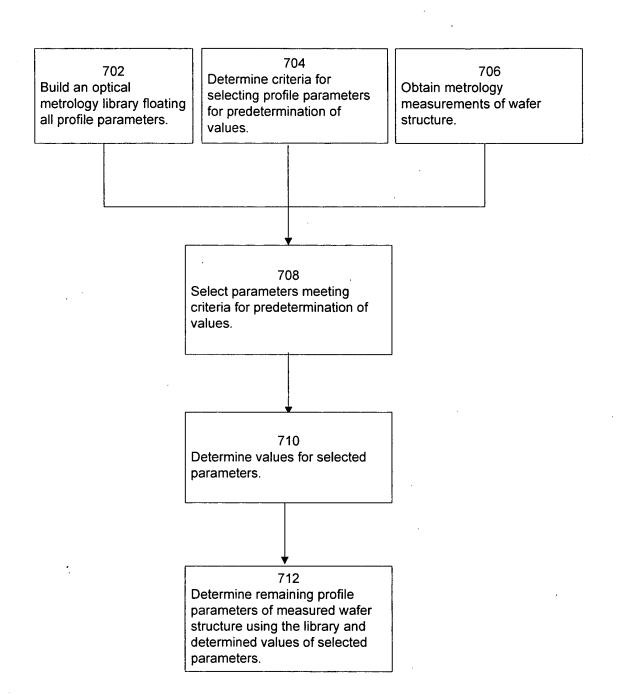
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Title: PARAMETRIC OPTIMIZATION OF OPTICAL METROLOGY MODEL

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Docket No.: 509982005800

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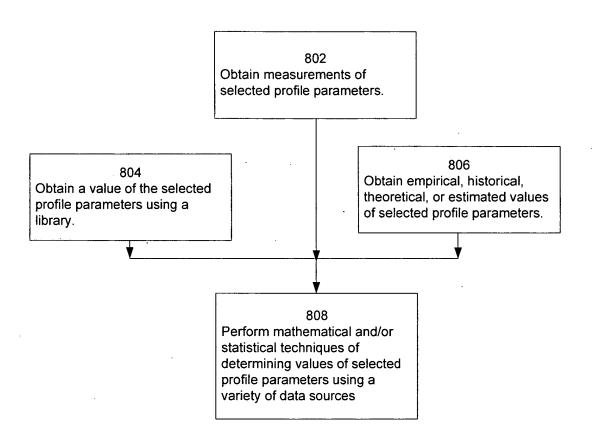


FIG. 8

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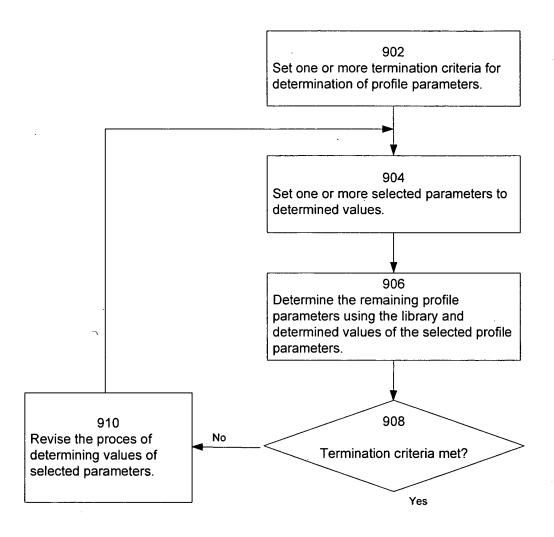


FIG. 9

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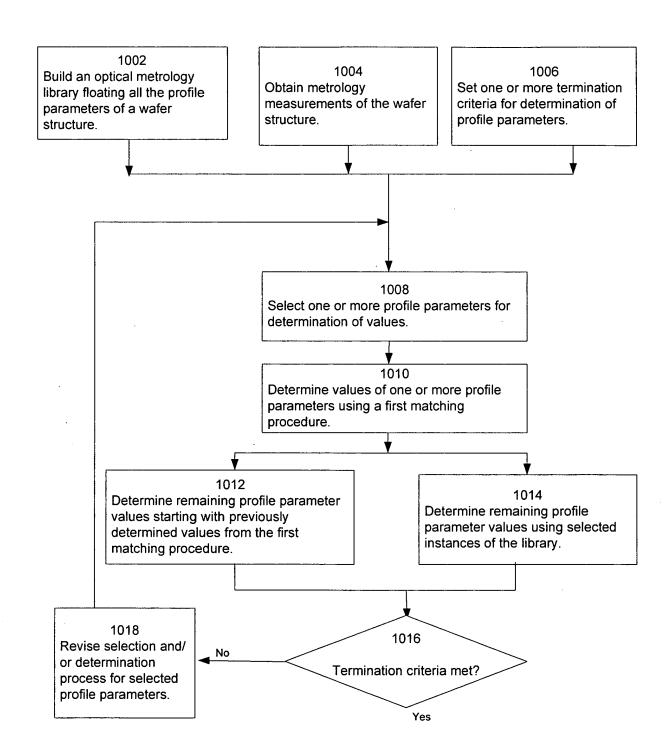
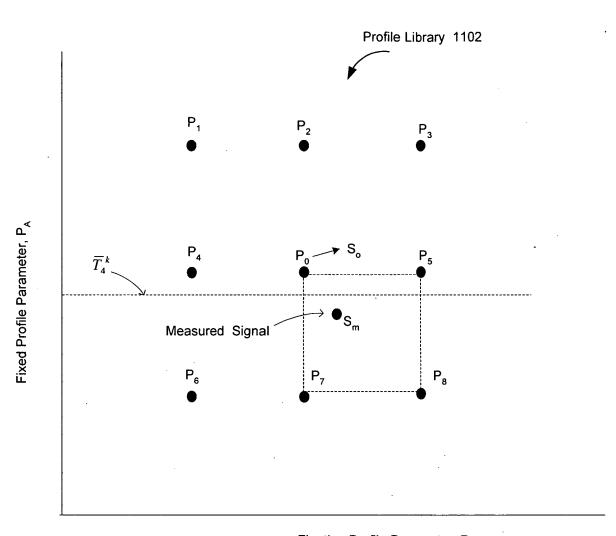


FIG. 10

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Floating Profile Parameter, P<sub>B</sub>

METROLOGY MODEL Inventor(s): Junwei BAO Application No.: Not Yet Assigned Docket No.: 509982005800

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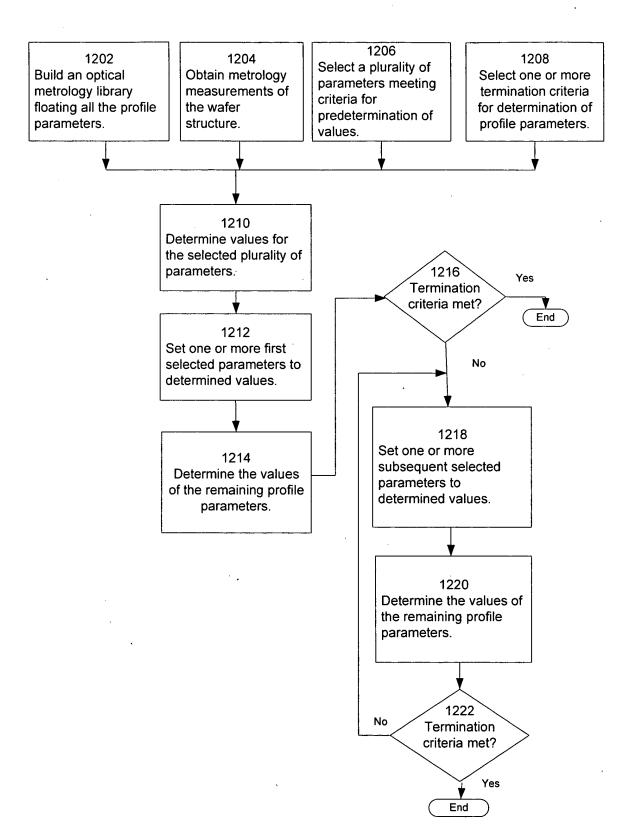
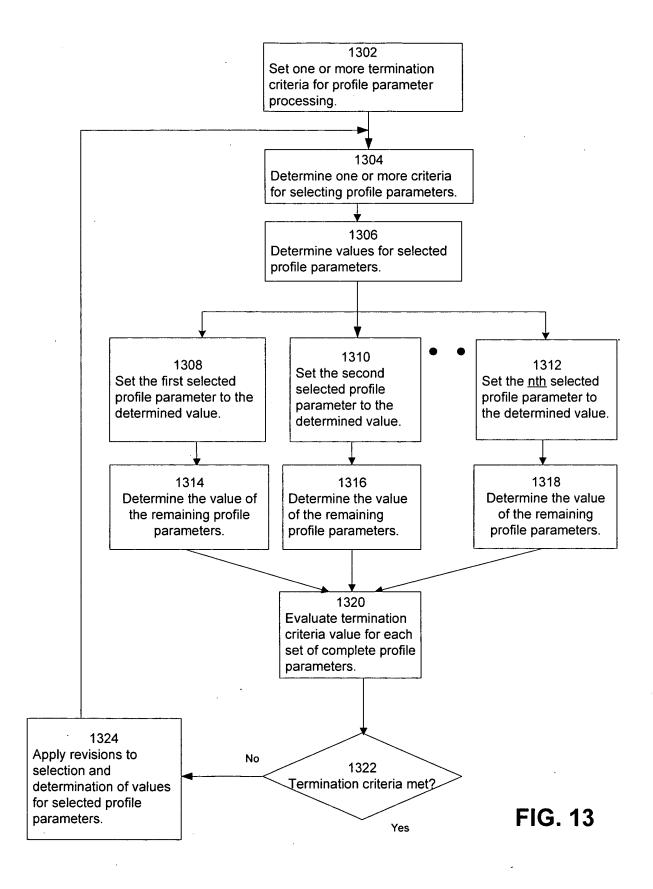


FIG. 12

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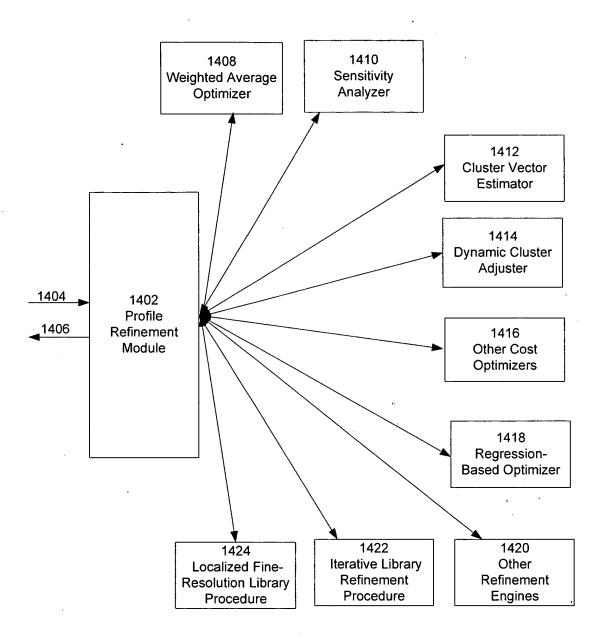


FIG. 14

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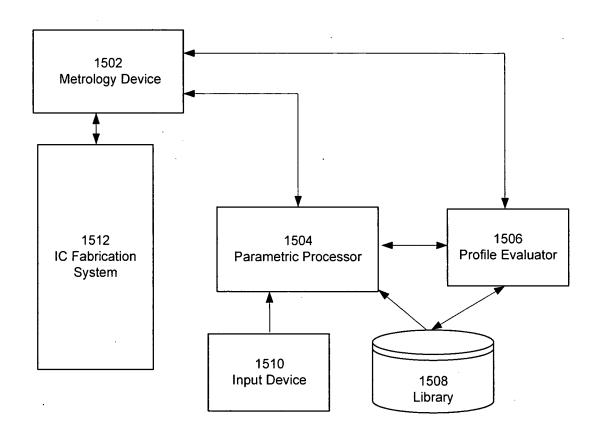


FIG. 15

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Predetermination	Parametric Processor	Profile Evaluator
Technique		
	Regression	Library Matching
One-time predetermination	Regression	Regression
of one or more parameters	Library Matching	Library Matching
	Library Matching	Regression
	Regression	Library Matching
Serial predetermination of	Regression	Regression
one or more parameters	Library Matching	Library Matching
·	Library Matching	Regression
	Regression	Library Matching
Parallel predetermination of	Regression	Regression
one or more parameters	Library Matching	Library Matching
	Library Matching	Regression

FIG. 16